

IN THE CLAIMS

Please amend claims 35, 38-40, 42, 43, 45-49 and 51, as set forth below.

Please add new claims 52-54, as set forth below.

Please cancel claims 37 and 44.

The text of all claims, along with their current status, is set forth below:

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1-34. (Canceled).

35. (Currently Amended) A color display system, comprising:

a color display device that stores color correction data in an unused portion in a standard memory associated therewith, the color correction data comprising a plurality of coefficients representative of an equation that describes ~~corresponding to~~ an input-output color characteristic associated with the color display device; and

a computer system that is adapted to:

load the color correction data from the color display device; and
create a video signal based on the color correction data.

36. (Original) The color display system set forth in claim 35, wherein the computer system is adapted to send the video signal to the color display device.

37. (Canceled).

38. (Currently Amended) The color display system set forth in claim 35, wherein the input-output color characteristic comprises color correction data comprising a plurality of coefficients that represent a signal input-to-first color output relationship of the color display device.

39. (Currently Amended) The color display system set forth in claim ~~38~~ 35, wherein the ~~coefficients are for~~ equation comprises a polynomial equation.

40. (Currently Amended) The color display system set forth in claim ~~35~~ 38, wherein the equation comprises plurality of coefficients can be utilized in a third order polynomial equation which predicts the brightness of the first color to within 0.3 foot-lamberts for each input signal for the color display device.

41. (Original) The color display system set forth in claim 35 wherein the color display device can be at least one of a VGA monitor, a MultiSync monitor, a flat panel NCD display, a flat panel SPU display, a flat panel LCD display, a reflective LCD display, and a FED display device.

42. (Currently Amended) A color display device~~[[,]]~~ comprising~~[[,]]~~ that stores color correction data in an unused portion in a standard memory associated therewith, the color correction data comprising a plurality of coefficients representative of an equation that describes an input-output color characteristic of the color display device.

~~a display screen for displaying a color image; and~~

~~a memory device that is adapted to store color correction data corresponding to an~~

~~input-output color characteristic associated with the display screen, the color~~

~~correction data being adapted to be loaded into a computer system associated~~

~~with the color display device for use by the computer system in creating a video signal based on the color correction data.~~

43. (Currently Amended) The color display device set forth in claim 42, wherein the color display device is adapted to receive the video signal from a ~~the~~ computer system.

44. (Canceled).

45. (Currently Amended) The color display device set forth in claim 42, wherein the input-output color characteristic ~~color correction data~~ comprises a plurality of coefficients ~~that represent~~ a signal input-to-first color output relationship of the color display device.

46. (Currently Amended) The color display device set forth in claim ~~45~~ 42, wherein the ~~coefficients are for~~ equation ~~comprises~~ a polynomial equation.

47. (Currently Amended) The color display device set forth in claim ~~45~~ 42, wherein the equation comprises ~~plurality of coefficients can be utilized in~~ a third order polynomial equation which predicts the brightness of the first color to within 0.3 foot-lamberts for each input signal for the color display device.

48. (Currently Amended) The color display ~~system~~ device set forth in claim 42 wherein the color display device can be at least one of a VGA monitor, a MultiSync monitor, a flat panel NCD display, a flat panel SPU display, a flat panel LCD display, a reflective LCD display, and a FED display device.

49. (Currently Amended) A method of providing color correction in a color display system, the color display system comprising a color display device that stores color correction data in an unused portion in a standard memory associated therewith, the color correction data comprising a plurality of coefficients representative of an equation that describes an input-output color characteristic of the color display device, corresponding to an input-output color characteristic associated with the color display device and a computer system that is adapted to provide a video signal to the color display device, the method comprising:

retrieving the color correction data from the unused portion in the standard memory associated with the color display device;

using the color correction data to create the video signal.

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50. (Original) The method set forth in claim 49, comprising delivering the video signal to the color display device.

51. (Currently Amended) The method set forth in claim 49, comprising employing the color correction data to predict a ~~predicting the~~ brightness of a first color to within 0.3 foot-lamberts, ~~for at least one input signal to the color display device.~~

52. (New) The color display system set forth in claim 35, wherein the standard memory comprises a display data channel ("DDC") memory.

53. (New) The color display device set forth in claim 42, wherein the standard memory comprises a display data channel ("DDC") memory.

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54. (New) The method set forth in claim 49, wherein the standard memory comprises a display data channel ("DDC") memory.
